Hydro-electric potential

125. SHRI KRISHNA KUMAR BIRLA: Will the Minister of ENERGY be pleased to state :

(a) what is the hydro-electric potential available in the country according to the assessment, if any, made by Government and what is the "actual potential tapped/installed so far;

(b) what are the names of the hydro-power projects taken up for implementaion during the Sixth Five Year Plan period and what is the extent of delay in the completion of these projects stating the reasons therefor; and

(c) what are the details of the programme, if any, drawn up by Government to tap the hydro-elec tric potential in the country dur ing the coming years ?

". THE MINISTER OF STATE IN THE DEPARTMENT OF POWER AND MINISTER OF STATE IN THE MINISTRY OF PETROLEUM AND NATURAL GAS (SHR1MATI SUSHILA ROHTAGI: (a) The total hydroelectric potential of the country has been assessed as 85,544 MW at 60% load factor out of which' 12.04% has been developed and 5.77% is under development.

(b) During the Sixth Five Year Plan addition of hydro capacity of 4760 MW was envisaged. Out of which 2873 MW was commissioned during the Plan. A statement giving the names of hydro-power projects taken up for completion in Sixth Plan and their details in respect of installed capacity, commissioned in Sixth Plan, capacity slipped from Sixth Plan, date of commissiomng of commissioned units, likely date of commissioning of the slipped units and reasons for slippage from the Sixth Plan is given in the Annaxure *[See* Appendix CXXXIX, Annexure No. 9j

(c) The total installed capacity of hydro-electric power projects at the end of the 6th Plan was 14,466 MW and 5541 MW more hydroelectric power is expected to be added during the Seventh Plan out of which 1012 MW has been added in 1985-86.

Energy from Sea Waves

126. SHRI MUKHTIAR SINGH MALIK :
SHRI SHANKAR SINGH VAGHELA :

Will the Minister of ENERGY be pleased to state :

(a) whether Governments atten tion has been drawn to the Press Report which appeared in the Indian Express published from Bombay, dated 17th June, 1986 wherein it has been stated that success has been achieved to get energy from sea waves;

(b) if so, what are the details thereof; and

(c) how far Government propose to promote this project in order to have energy from Sea Waves ?

THE MINISTER OF ENERGY (SHRI VASANT SATHE): (a) Yes, Sir.

.(b) A project proposal has been proposed which envisages harenessing of machanical energy from sea waves and its conversion to electrical energy. A prototype is proposed to be designed, fabricated and tested at the Sagar Islands under the aegis of the Calcutta Port Trust.

(c) The Department of Non-Conventional Energy Sources has sanctioned pase I of the project relating to data collection at site and design of collection device at an outlay of Rs. 1.78 lakhs. The principal Investigator of the project Shri J.N. Biswas a senior engineer of Eastern Railway will be 'assisted by Dr. K.K. Bandopadhaya, Senior Sci-

entific Officer of the Calcutta Port Trust. The site specific detailed design will be examined for technical feasibility and economic viability before sanctioning further phases of the project for fabrication, commissioning and testing of the systems. R&D for harnessing of wave energy is also being undertaken in an R&D project sponsored at the Ocean Engineering Centre, Indian Institute of Technology, Madras.

Short Supply of Electricity by 16 Per Cent

127. SHRI MUKHTIAR SINGH MALIK :
SHRI SHANKAR SINH VAGHELA:

Will the Minister of ENERGY be pleased to state :

(a) whether it is a fact that at present the daily supply of electricity in the country is short of the requirement by 16 per cent ;

(b) if so, what is the estimated requirement of energy and the estimated actual generation of the energy at present ;

(c) what steps have been taken by Government to meet the requirement of energy in the country; and

(d) what amount/funds have been allocated for this purpose ?

THE MINISTER OF STATE IN THE DEPARTMENT OF POWER AND MINISTER OF STATE IN THE MINISTRY OF PETROLEUM AND NATURAL GAS SHRIMATI SUSHILA ROHATAGI: (a) and (b) : The estimated energy requirement during April, 1986 June, 1986 was 45,792 million units against which the esti mated availability was 41091 million units, which repoesents a shortage of about 10.30.

(c) To meet the shortage of power in the country , a number of steps are being taken which include :—

(i) Expeditious commissioning of additional generating capacity.

(ii) Maximising generating from the existing thermal power plants through plants betterment/ renovation programme.

(iii) Reducing the transmission and distribution losses.

(iv) Adopting measures for energy conservation.

(v) Transfer of power from surplus States to deficit States .

(d) Apart from the outlays that are being provided for generation projects and transmission and distribution programme, a Centrally Sponsored Renovation & Modernisation programme is being implemented with an estimated outlay of Rs. 500 crores for improving the gneration from some of the existing thermal power stations.

Constitutional cases pending in Supreme Court

128. SHRI SHANKAR SINH VAGHELA:
SHRI ASHWANI KUMAR:
SHRI KAILASH PATI MISHRA:

Will the Minister of LAW AND JUSTICE be pleased to state' :

(a) how many Constitutional cases are pending in the Supreme Court for and how many years in each case ;

(b) whether there has been any proposal to constitute a separate bench for their speedy disposal; if so, what is the decision; and

(c) how many such cases are pending in each High Court ?